

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of the mobile body, at least one of nodes indicating a landmark, an area, or an intersection;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired.

2. (original) The information acquisition method of Claim 1, wherein the kind of the key in the second step includes at least one of time, date, weather, and a position and a travel route of the mobile body.

3. (canceled)

4. (original) The information acquisition method of Claim 1, wherein

in the second step, determination of the condition for retrieval is performed based on statistical processing.

5. (original) The information acquisition method of Claim 4, wherein the second step includes:

a step (a) of selecting a candidate of the condition for retrieval; and

a step (b) of calculating entropy for each prediction probability value of one or more travel destinations where the mobile body might advance under a selected condition candidate, and

wherein the steps (a) and (b) are repeated alternately, and the condition for retrieval is specified from the selected candidates based on values of the calculated entropies.

6. (original) The information acquisition method of Claim 1, wherein in the third step,

each prediction probability of one or more travel destinations where the mobile body might advance is obtained, and

prediction is performed based on each obtained prediction probability.

7. (canceled)

8. (canceled)

9. (currently amended) ~~The information acquisition method of Claim 7,~~
An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired,

wherein an intersection through which the mobile body have traveled in two or more directions among intersections in a travel route is set as a node.

10. (currently amended) ~~The information acquisition method of Claim 1,~~
~~wherein in the first step, the travel history is accumulated in a form of~~ An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of segment of travel start and travel end, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired.

11. (original) The information acquisition method of Claim 1, further comprising the step of:

predicting a new travel destination or a new travel route where the mobile body will advance before the mobile body starts a travel from the travel destination or the travel route predicted in the third step.

12. (canceled)

13. (original) An information presenting method for presenting information relating to a travel destination of a mobile body, comprising:

a first step of acquiring relating information on a travel destination predicted according to the information acquisition method of Claim 1; and

a second step of determining information to be presented on the travel destination based on the information acquired in the first step,

wherein the determined information to be presented is presented.

14. (original) The information presenting method of Claim 13, wherein the second step includes the steps of :

referencing information indicating a correspondence among positions, names, and genre names to which the positions belong; and

determining at least one of the name and the genre name of the travel determination as information to be presented.

15. (currently amended) ~~The~~ An information presenting method ~~of Claim 14, wherein~~

~~the first step includes the step of obtaining~~ for presenting information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history;

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance and to obtain a prediction probability of the predicted travel destination, and

~~the second step includes the step of~~ based on a result of the retrieval;

a forth step of acquiring information relating to a predicted travel destination;
and

a fifth step of determining information to be presented on the travel destination based on the information acquired in the forth step,

wherein the determined information to be presented is presented,

wherein the fifth step includes the steps of :

referencing information indicating a correspondence among positions, names, and genre names to which the positions belong; and

determining, as information to be presented, the name of the predicted destination when the prediction probability of the predicted travel destination exceeds a predetermined value, and otherwise determining the genre name thereof as information to be presented.

16. (original) The information presenting method of Claim 13, wherein the first step includes the step of calculating an estimated necessary time for transferring from a current position of the mobile body to the predicted travel destination as relating information by referencing the travel history.

17. (original) The information presenting method of Claim 16, wherein in the first step,
road/traffic information up to the travel destination is acquired via the network,
and
in the second step,
an actual necessary time up to the travel destination with consideration of traffic circumstances is estimated by referencing the estimated necessary time and the road/traffic information.

18. (canceled)

19. (canceled)

20. (canceled)

21. (currently amended) ~~The~~ An information presenting method ~~of Claim 13, wherein in the second step, for presenting information relating to a travel destination of a mobile body, comprising:~~

a first step of accumulating, as a travel history, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history;

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval;

a forth step of acquiring information relating to a predicted travel destination;
and

a fifth step of determining information to be presented on the travel destination based on the information acquired in the first step, taking account of a cognitive load of a user who receives information presentation ~~is taken account in determining information to be presented,~~

wherein the determined information to be presented is presented.

22. (currently amended) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of a mobile body, at least one of nodes indicating a landmark, an area, or an intersection;

a condition determination section that determines, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history accumulated in the history accumulation section; and

a prediction section that performs retrieval on the travel history under the condition for retrieval to predict one or more travel destinations for which the mobile body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the prediction section is acquired.

23. (canceled)

24. (currently amended) A program for allowing a computer that at least one of information equipment and a server includes to execute the information acquisition method of any one of Claims 1, 9, or 10.

25. (New) An information presenting method for presenting information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history;

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance and to obtain a prediction probability of the predicted travel destination, based on a result of the retrieval;

a forth step of acquiring information relating to a predicted travel destination;
and

a fifth step of determining information to be presented on the travel destination
based on the information acquired in the forth step,

wherein the determined information to be presented is presented,

wherein the fifth step includes the steps of :

referencing information indicating a correspondence among positions, names,
and genre names to which the positions belong; and

setting level of detailedness about the information to be presented in
accordance with the prediction probability of the predicted travel destination obtained
in the third step.

26. (New) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form
of inter-node transition, a travel route obtained from a history of position information
of a mobile body;

a condition determination section that determines, as a condition for retrieval,
a kind and a category of a key at retrieval on the travel history accumulated in the
history accumulation section; and

a prediction section that performs retrieval on the travel history under the
condition for retrieval to predict one or more travel destinations for which the mobile
body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the
prediction section is acquired,

wherein the information acquisition system further comprises means for setting an intersection through which the mobile body have traveled in two or more directions among intersections in a travel route as a node.

27. (New) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form of segment of travel start and travel end, a travel route obtained from a history of position information of a mobile body;

a condition determination section that determines, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history accumulated in the history accumulation section; and

a prediction section that performs retrieval on the travel history under the condition for retrieval to predict one or more travel destinations for which the mobile body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the prediction section is acquired.